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मानक

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“जानने का अधिकार, जीने का अधिकार”

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IS 14665-5 (1999): Electric Traction Lifts, Part 5:
Inspection Manual [ETD 25: Lift and Escalators]



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Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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भारतीय मानक
विद्युत चालित लिफ्ट — विशिष्टि
भाग 5 निरीक्षण मैनुअल

Indian Standard

ELECTRIC TRACTION LIFTS — SPECIFICATION

PART 5 INSPECTION MANUAL

ICS 91.140.90

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BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

FOREWORD

This Indian Standard (Part 5) was adopted by the Bureau of Indian Standards, after the draft finalized by the Lifts and Escalators Sectional Committee had been approved by the Electrotechnical Division Council.

A large number of Indian Standards have been published to cover the requirements of different types of lifts as well as components of lifts. In order to maintain uniformity in inspection of lifts, a need has been felt to prepare a standard manual for inspection of lifts and this standard is prepared to meet this need. It is felt that this standard shall be of great help to the regulatory staff who are implementing lift rules in their respective states/union and to the technical staff of the lift manufacturers and lift maintenance contractors.

Indian Standard

ELECTRIC TRACTION LIFTS — SPECIFICATION

PART 5 INSPECTION MANUAL

1 SCOPE

1.1 This standard (Part 5) applies to electric traction passenger/goods lifts erected at any place and intended for use by passengers.

1.2 This standard does not apply to:

- a) Service lifts (dumbwaiters)
- b) Hydraulic lifts
- c) Escalators
- d) Cranes

1.3 This standard is concerned with inspection of lifts from safety point of view and does not cover performance requirements and corresponding tests.

2 TERMINOLOGY

2.1 The definitions given in various Indian Standards on lifts are applicable.

2.2 Additional Definitions

Inspector — Inspector means Inspector of lifts or any other officer appointed by State/Union Government to maintain Lift Act/Rules or any other Act/Rules connected with safety of lifts and framed by State/Union Government.

3 GENERAL REQUIREMENTS

3.1 This topic has been further divided into three parts:

- a) Personal safety
- b) Duties of inspectors
- c) Arrangement for inspection

3.2 Personal Safety

3.2.1 Inspectors should know the danger involved in inspection of the lifts, since any accident may not only disable the person but may prove to be fatal. Inspector should at all times be alert for moving objects, and when on top of an elevator car for moving counter weights, hoistway, projections such as beams, adjacent moving cars, cams and other equipment attached thereto or mounted in the hoistway. The overhead clearance should always be noted as number of fatal accidents occur due to cars running into limited overhead space while inspections are made from top of the lift cars. As an added

precaution the overhead distance available from the top landing should be painted on the wall to warn the persons on top of the car, particularly when the overhead distance is inadequate.

3.2.2 Inspectors should never enter lift pits containing water. A fatal accident due to electric shock may occur under such conditions. When working in the lift pit, the inspector should always note the position of the car and also keep clear distance from descending counterweight in the hoistway of the lift being inspected and those in adjoining hoistway.

3.2.3 The power supply line disconnect switch should be opened, locked and tagged out when it is desired to prevent movement of the lift or when inspecting electrical parts, to ensure that no unauthorized person operates the switch.

3.2.4 Before starting the inspection of a lift, the Inspector should first determine that the operating device, emergency stop switch, and any other safety devices or switches are in proper working order and in the proper position for inspection.

3.2.5 When dual or attendant operation is provided, the changeover switch should be in the position for operation from the car only. Before inspecting a lift in a bank of "Group Supervisory Control Lifts", disconnect the lift to be inspected from the group operation. When means of communication is provided in the car, determine that it is Operative. While car operating device is provided on the top, use it to operate the car when on top of the car instead of depending on an Operator in the car.

3.3 Duties of Inspectors

The following are the duties of the Inspectors.

3.3.1 While inspecting new lift or altered installation of a lift, determine whether lift installation confirms to the requirements of the relevant Indian Standard or lift regulations and whether the required safety devices function as required therein.

3.3.2 While making initial inspections, or periodical inspections and tests of existing installations after they have been approved for operation by the enforcing authority, determine that the equipment is in a safe operating condition and has not been altered except in conformity to the applicable BIS Code or lift regulations.

3.4 Arrangement for Inspection

The Inspector should request the owner or his agent to make the following arrangements, prior to inspection or test, on receipt of completion reports from the owner for the lift or his agent:

- a) Provide a qualified personnel from the lift manufacturer for initial inspection and from the approved lift maintenance contractor for subsequent periodical inspections to perform the tests specified in 4 and regulations of the State/Union Government.
- b) Provide a qualified person of Government Licensed Electrical Contractor who has carried out the wiring works such as lift mains (Lighting and power), machine room lighting, ventilation of machine room and any other wiring work connected with lift installation and not being the lift wiring work carried out by lift manufacturer.

4 GENERAL NOTES ON TESTS

4.1 The inspection and tests on lift installations can be done from the following five places:

- a) From the lift pit (Table 1)
- b) From inside of the lift car (Table 2)

- c) From top of the lift car (Table 3)
- d) From the machine room (Table 4)
- e) From each and every landing of the lift (Table 5).

4.2 Instruction given at the top of each table shall be read carefully and followed properly before starting inspection.

4.3 The points given in tables are general guidelines. If an Inspector desires to carry out some more test as per provision contained in relevant Indian Standards, he is free to do so.

4.4 Before starting inspection from any of the position mentioned in 4.1 above, a sign board indicating that the lift is under maintenance and inspection shall be displayed at ground floor landing (preferably at all landings if possible).

4.5 The actual position of each and every point of the table shall be compared with the requirements and accordingly a remark 'satisfactory' or 'unsatisfactory' shall be written in remark column.

4.6 A detailed recommendation on each and every point when the remark '**unsatisfactory**' has been written in remark column shall be given at the end of the Table in the following format:

<i>General Sl No.</i>	<i>Table No. Sl No. of Table</i>	<i>Detailed Recommendation</i>	<i>Relevant IS or Lift Rule</i>

Table 1 Inspection Made from the Lift Pit

[Clause 4.1 (a)]

Instruction Before Entering the Lift Pit

- 1 Enter the lift pit only if it is dry. For this purpose take the lift car above the bottommost landing. Open the landing gate/door of bottommost landing by a special key and check that the moving lift stops on opening the gate/door, thereby ensuring that the electrical contact of the bottommost landing is in the safety circuit. Put the pit switch in 'STOP' position and once again check that the lift does not operate by closing the bottommost landing gate/door and giving a call. Open the bottommost landing gate/door, put the pit light 'ON' and enter the lift pit.
- 2 From safety considerations, it is not recommended to move the lift when inspecting from the lift pit.
- 3 As an additional precaution, keep the landing gate/door open by a small distance (say 50 mm) and keep pit switches in 'STOP' position.
 - a) The car shall be moved only when directed by the inspecting person.
 - b) The directives of the inspecting person shall be repeated and only on receipt of OK signal from the inspecting person, the car shall be moved.
 - c) The car door and landing door (if possible) shall be kept open. They shall be closed only when asked by the inspecting person to start lift.
 - d) These doors shall be opened as soon as the operation of lift is over.

Table 1 (Concluded)

Sl No.	Description	Requirement	Position	Remarks
1	Dimensions	As per approved plan or in its absence, as per relevant Indian Standard.	___cms ___cms ___cms	
2	Clean and dry	Shall be in clean and dry condition.	Clean and dry. Clean but not dry. Dry but not clean. Neither dry nor clean.	
3	Provision of ladder	A ladder shall be provided if pit depth exceeds 1300 mm as measured below the bottom-most landing sill.	Depth does not exceed 1300 mm. Depth exceeds 1300 mm and a ladder is provided. Depth exceeds 1300 mm but a ladder is not provided.	
4	No. of buffers for car	Mention actual numbers and also mention whether it is spring buffer or oil buffer. Oil buffers are required when rated speed of the car is more than 1.5 metres per second.	One/two buffer(s) is/are provided, Spring/oil buffer(s) is/are provided. Oil buffers are not provided even though the speed exceeds 1.5 metres per second.	
5	Number of buffers for counterweight	Mention actual numbers and also mention whether it is spring or oil buffer. Oil buffers are required when rated speed for the car is more than 1.5 metres per second.	One/two buffers (s) is/are provided. Spring/oil buffer(s) is/are provided. Oil buffers are not provided even though the speed exceeds 1.5 metres per second.	
6	Condition of car buffers	Buffers shall not be in bent condition. In case of oil buffers a device for determining the quantum of oil shall be provided.	Normal/Bent/Missing Device for determining the quantum of oil is provided/not provided (Applicable only for oil buffers).	
7	Condition of counterweight buffer	Buffers shall not be in bent condition. In case of oil buffers a device for determining the quantum of oil shall be provided.	Normal/Bent/Missing Device for determining the quantum of oil is provided/not provided (Applicable only for oil buffers).	
8	Vertical clearance between car and buffer ('car runby')	Measure clearance when the car is levelled at bottom most landing.cms.	
9	Vertical clearance between counterweight and buffer (counterweight runby)	Measure clearance when the car is levelled at top most landing.cms.	
10	Counterweight guard screen	Shall be provided up to a height of two metres from the floor of the pit except where rope compensation sheave is provided.	Guard screen is provided/not provided. Guard screen is provided but not up to a height of two metres.	
11	Provision of pit switch and arrangement for lighting the pit	Shall be provided and should be accessible from the lowest landing. When pit depth is more than 2 m there should be two pit switches, one accessible from the lowest landing and other from the pit.	Pit switch unit is provided/not provided.	
12	Operation of pit switch	The lift shall stop on opening of pit switch.	Pit switch is tested and found OK/not OK.	
13	Condition of tension pulley of governor rope	It shall have free movement.	Pulley is having free movement/jammed.	
14	Condition of rollers of limit switches	It shall have free movement.	Pulley is having/not having free movement.	
15	Condition of trailing cable and its termination, if termination is provided under the car	The trailing cable shall be properly terminated so as to avoid detachment from termination box.	Condition of trailing and its termination in the box is satisfactory/Unsatisfactory.	

Instruction for exiting from the lift pit:

- 1 Put the bottom pit switch if provided to 'RUN' position.
- 2 Come out of the lift pit by using pit ladder.
- 3 Put pit light switch off and return the upper pit stop switch to run position.
- 4 Closing the landing gate/door.

Table 2 Inspection Made from Inside of the Lift Car

[Clause 4.1(b)]

Instruction

- 1 Bring lift to bottommost landing by giving a hall call and enter the lift car.
- 2 Observe points 1 to 10 first by keeping the car door and the landing gate/door open.
- 3 Close the car door and the landing gate/door and take the lift in 'UP' and 'DOWN' direction and observe points 11 onwards.

Sl No.	Description	Requirements	Position	Remarks
1	Display of car capacity	Car capacity shall be displayed.	Car capacity is displayed/not displayed.	
2	Provision of fan/blower	Fan/blower shall be provided.	Fan/blower is provided/not provided.	
3	Condition of fan/blower	Fan/blower shall be in working order.	Fan/blower is tested and found OK/not OK.	
4	Provision of emergency alarm bell.	Emergency alarm bell shall be provided.	Emergency alarm bell is provided/not provided.	
5	Condition of emergency alarm bell	Emergency alarm bell shall be in working order.	Emergency alarm bell is tested and found OK/not OK	
6	Provision of light point	Light point shall be provided, terminating in socket/holder.	Light point is provided/not provided.	
7	Condition of car lighting	Car light shall be in working order.	Car light is tested and found OK/not OK.	
8	General condition of the lift car sides, top and flooring	General condition shall be satisfactory.	Condition of lift car is satisfactory/not satisfactory.	
9	Provision of natural air ventilation in case of solid car door and landing doors inside the lift car	Ventilation shall be provided as per relevant Indian Standard.	Ventilation is provided/not provided.	
10	Condition of car door	General condition of the car door shall be satisfactory.	General condition of the car door is satisfactory/not satisfactory.	
11	Sill gap between car sill and landing sill at each landing	Sill gap shall not exceed 30 mm.	Sill gap is normal/ abnormal.	
12	Landing level of car with respect to landing sill at all landing for up and down direction	The car shall stop at landing level within the specified limits.	The car stops/does not stop within the specified limits of the landing level.	
13	Experience of jerk in the car at the time of starting or stopping	No appreciable jerk shall be noticed at the time of starting.	Appreciable jerk is not noticed/noticed at the time of starting/stopping.	
14	Operation of stop button (Push button type only)	On pressing the stop button, the lift shall stop.	Stop button is tested and found OK/not OK.	
15	In case of manual operated car door, open the car door while the lift is moving	On opening the car door, lift shall stop.	Lift stops/lift continues to move.	
16	In case of power operated car door, while lift is moving, operate the "DO" button	The car door shall not open.	The car door opens/does not open.	
17	In case of power operated car door and landing doors when they are about to close at landing operate the 'DO' button	The doors shall open.	The doors open/do not open.	
18	In case of power operated car and landing doors, when they start to close at landings, actuate the door safety mechanism	The doors shall open.	The doors open/tend to close.	
19	In case of manually operated doors, while inside the car and the control is on attendant mode, operate landing side call button	The lift shall respond to calls as per type of control.	The lift responds to call/does not respond to calls.	

Table 2 (Concluded)

Sl No.	Description	Requirements	Position	Remarks
20	In case of manually operated doors, put the control in an automatic position, enter the lift car, manually close the landing door and the car door	The lift shall not operate for four to six seconds after arrival of car at that landing.	The lift operates instantly/does not operate instantly.	
21	In case of power operated doors, while lift is moving, is the floor position correctly displayed?	The floor position shall be correctly displayed.	The floor positions displayed/not displayed.	
22	In case of goods-cum-passenger lift, open the emergency exit, if provided, when the lift is moving	The lift shall stop.	The lift stops/does not stop.	
23	In case of goods-cum-passenger lift, when the lift halt either above or below the landing level say by about ± 140 mm, operate the inching device if provided	The lift shall come to landing level.	The lift comes to/does not come to landing level.	

Table 3 Inspection Made from Top of the Lift Car
[Clause 4.1(c)]

Instruction Before Entering Top of the Lift Car

- 1 In case of manually operated doors:
 - a) Take the lift car with two persons to the top landing.
 - b) Ask one person to come out of the car at the top landing.
 - c) Ask the person in the lift car to take the lift in the 'DOWN' direction.
- 2 In case of power operated doors:
 - a) Take the lift car to the top landing and come out of the car.
 - b) Give a car call to a lower landing and let the car move in the 'DOWN' direction.
- 3 Open the landing door with the special key to stop the moving lift car so that the top of the lift car is approximately in level with the top landing level.
- 4 Check stop switch on top of lift car is working and that the elevator does not move when the stop switch is in 'STOP' position.
- 5 Put car in inspection mode by putting maintenance switch 'ON' before entering car top.
- 6 Close the landing gate/door and run on inspection speed for elevators with contract speed of 1.0 m/s and above.
- 7 Switch 'ON' the hoistway lighting and a light point on the car top.

Sl No.	Description	Requirements	Position	Remarks
1	Provision of maintenance switch on car top	Maintenance switch shall be provided.	Provided/not provided.	
2	Testing of maintenance switch in 'UP' and 'DOWN' Direction	When maintenance switch is in 'ON' position, the calls from the landings and car shall not get registered when travelling in either direction.	Tested and found OK/not OK.	
3	Provision of switch-board on car top consisting of batten holders with properly guarded light bulb and 3 pin socket	Switch board shall be provided.	Provided/not provided.	
4	Operation of lever of landing gate/door locks that is pressing of the door lever from the car top	The lift shall not start if the lever is pressed.	Lift starts/does not start.	
5	Earthing of metal parts of lift car	The metal parts shall be efficiently earthed.	Metal part are efficiently earthed/are not efficiently earthed.	

Table 3 (Concluded)

SI No.	Description	Requirements	Position	Remarks
6	Provision of hoistway lighting	Hoistway lighting shall be provided.	Hoistway lighting is provided /not provided.	
7	Condition of Hoistway	Hoistway shall be maintained in clean condition.	Hoistway is clean and needs no repair/requires plastering or repairs.	
8	Observe whether the retiring cam comes in contact with the lever of landing gate locks	Retiring cam shall not come in contact with the lever of gate locks while the lift is in motion.	Retiring cam comes in contact/does not come in contact, with the lever of gate locks.	
9	Condition of car guide shoe liners	The guide shoe liners shall be in good condition. There may be reasonable play, but it shall not be so much as to cause the shoe to jump the rails under any condition.	The guide shoe liners are in good/not good condition.	
10	Condition of counterweight guide shoe liners	The guide shoe liners shall be in good condition. There may be reasonable play, but it shall not be so much as to cause the shoe to jump the rails under any condition.	The guide shoe liners are in good/not good condition.	
11	Condition of midway junction box	The wiring shall be properly terminated in midway junction box where installed.	Wiring terminated neatly/Needs adequate termination.	
12	Condition of trailing cable	The trailing cable shall be in good condition that is the insulation shall not get frayed or damaged mechanically.	The trailing cable is in good condition and insulation is not frayed/not in good condition and insulation is frayed.	
13	Condition of floor-gangway switches along the hoistway, if provided	Gang switch shall be in good working condition.	Gang switch is in good condition/not in good condition.	
14	Operation of safety switch on car top	On operation of safety switch the car shall stop.	The car stops/does not stop.	
15	Condition of car top	The car top shall be in good and strong condition.	The car top is in good/not good condition.	
16	Lubrication of car and counterweight guides. (Roller guide shoes do not require lubrication of rails)	The guides shall be in properly lubricated condition.	The guides are in properly/not properly lubricated condition.	
17	Observe whether the counterweight stacks are firmly secured to the frame by tie-rod or other suitable means	It shall be firmly secured.	Counterweight stacks are firmly/loosely secured.	
18	Condition of rope fastening of suspension ropes	The suspension rope shall be adequately fastened.	The suspension ropes are properly/not properly fastened.	
19	Condition of fascia plates	M.S. fascia plates shall be provided below each landing to have flush hoistway if required.	Fascia plates provided/not provided.	
20	Earthing of landing gate locks, gang switches, etc	Earthing shall be satisfactorily done.	Earthing is efficiently done/not efficiently done.	
21	In case of manually operated doors, reverse the order of closing the doors by first closing the car door and then the landing door. Operate the floor button from inside the car or from landing side	The lift shall operate independent of sequence of closing of landing car door.	The lift operates/does not operate.	
22	Condition of compensatory linkchain/rope	It shall be in good working condition whenever provided.	Linkchain is in good/not good condition.	

Instruction for Exiting from Top of the Lift Car

- 1 Take the lift car to the top landing level and open the top landing gate/door.
- 2 Come out from car top onto the top landing.
- 3 Return car to normal mode by putting maintenance switch in 'NORMAL' position.
- 4 Also switch 'OFF' car top light.
- 5 Close the top landing gate/door.
- 6 In case of manually operated doors, ask the person inside the lift car to come out at the top landing.

Table 4 Inspection of Lift from Machine Room

[Clause 4.1(d)]

Instruction

- 1 Proceed to the machine room.
- 2 Unlock the machine room.

Sl No.	Description	Requirements	Position	Remarks
1	Locking arrangement of the machine room	Locking arrangement shall be provided and machine room shall be kept locked.	Locking arrangement is provided/not provided/ provided but machine room was not locked.	
2	Approach to the machine room from the top landing	There shall be an easy access from the top landing to the machine room.	There is an easy access/inadequate access to the machine room from the top landing.	
3	Cross ventilation	There shall be an adequate cross ventilation preferably with exhaust fan.	The cross ventilation is adequate/inadequate.	
4	Cleanliness in the machine room	Machine room shall be kept in clean condition.	The machine room is kept clean/is not kept clean.	
5	Provision of light points and their working part	Adequate number of light points shall be provided and maintained in working order.	Adequate number of light points are provided/not provided/provided but not working.	
6	Provision of separate main switches for power and light	Separate main switches for light and power are provided.	Separate main switches for power and light provided/ not provided.	
7	Provision of three pin plugs	Three pin plugs shall be provided and maintained in working order.	Three pin plugs are provided/not provided/ provided but not working.	
8	Provision of brake releasing device	Brake releasing device shall be provided.	Brake releasing device is provided/not provided	
9	Provision of delocking key for landing gates	Delocking key for landing gates shall be provided.	Delocking key for landing gate is provided/not provided.	
10	Provision of maintenance log book and entries therein	Log book shall be maintained in up to date condition.	Log book is provided/not provided/provided but not up to date.	
11	Provision of hand lamp/torch	Hand lamp/torch shall be provided and maintained in working order.	Hand lamp/torch is provided/not provided/ provided but not working.	
12	Protection of lift equipment in case of phase failure or phase reversal	Lift equipment shall be protected.	Lift equipment is protected/ not protected.	
13	Operation of overload tripping	Overload tripping device for motor when provided shall be maintained in working order.	Overload device tested and found OK/not OK.	
14	Condition of various contacts at the panel	All contacts shall be in proper condition .	The condition of following contacts are not proper: 1) 2) 3)	
15	Earthing arrangement of main switches, lift motor, control panel, overspeed, governor switch, etc	The earthing arrangement shall be proper and the electrical contractor/owner shall ensure that earth resistance shall not exceed one ohm as per Indian Electricity Rules.	Earthing arrangement is tested and found OK/not OK.	
16	Adjustment of brakes	The lift shall stop on application of brakes within specified limit.	The lift stops/does not stop within specified limit.	
17	Condition of brake shoe liners	The brake liners shall be in good condition.	The condition of brake shoe liner is OK/not OK.	
18	Operation of gear box if provided	The gear box shall be smooth in operation	The gear is smooth/noisy in operation.	
19	Operation of motor	The motor shall be smooth in operation.	The motor is smooth/noisy in operation.	

Table 4 (Concluded)

Sl No.	Description	Requirements	Position	Remarks																					
20	Condition of gear box	There shall not be any oil leakage from gear box (oozing acceptable).	There is an oil leakage/no oil leakage.																						
21	Lubrication of gear box	The gear box shall be well lubricated.	The gear box does not need lubrication/needs lubrication.																						
22	Condition of grooves of traction sheave	The condition of grooves shall be such that the rope does not move when the traction sheave stops.	The rope moves/does not move.																						
23	Condition of main suspension ropes	The ropes shall not be in frayed condition.	The suspension rope is not frayed/ frayed.																						
24	Condition of ropes of overspeed governor	The ropes shall not be in frayed condition.	The governor rope is not frayed/frayed.																						
25	Condition of limit switch operating rope when provided	The rope shall not be in frayed condition.	The limit switch rope is not frayed/frayed.																						
26	Condition of wiring at control panel	The control panel wiring shall be neatly grouped and the insulation of wires shall be more than one mega ohm with 500 volt megger.	The control panel wiring is neat and insulation is above one meg. ohm/below one meg.ohm.																						
27	Operation of up final limit switch	The lift, when operated on power or manually, from top most landing shall travel in upward direction till the final limit switch cuts off electric supply to motor.	Tested and found OK/not OK.																						
28	Operation of down final limit switch	The lift, when operated on power or manually, from bottommost landing, shall travel in downward direction till the final limit switch cuts off the electric supply to motor.	Tested and found OK/not OK.																						
29	Operation of overspeed governor	The overspeed governor and safety gear shall be tested as per requirement of 10 of IS 9878, for new lifts and in case of any addition/alteration which changes the characteristics of overspeed governor and safety gear. In case of periodic inspection, the overspeed and safety gear shall be tested with lift car stationary; after the test, the lift car shall be lowered to check that the safety gear has functioned properly.	Tested and found OK/not OK.																						
30	Condition of trap door.	The trap door, if provided in machine room, shall be in sound condition.	The trap door is in sound condition/not in sound condition/missing.																						
31	Testing of contract load and linear speed of the lift at the time of initial inspection, and in case of any addition/alteration which changes the contract load/speed	<p>The motor, when the lift car is loaded with balanced load in the car, shall draw approximately same current in all three phases separately.</p> <p>The linear speed of the lift, when the lift car is loaded with full contract load, shall be measured in 'UP' and 'DOWN' direction, and mean rated speed calculated in accordance with 2.48 of IS 1860.</p> <p>The linear speed of the lift can be measured directly on the traction sheave or alternatively can be calculated by measuring motor RPM and using the following formula:</p> $\frac{3.14 \times \text{Diameter of traction sheave in metre} \times \text{measured motor r.p.m.}}{\text{Gear Ratio} \times \text{Roping Factor} \times 60}$	<p>The motor draws current as follows:</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td style="text-align: center;"><i>Down</i></td> <td style="text-align: center;"><i>Up</i></td> </tr> <tr> <td></td> <td style="text-align: center;"><i>Direction</i></td> <td style="text-align: center;"><i>Direction</i></td> </tr> <tr> <td>R phase</td> <td style="text-align: center;">.....</td> <td style="text-align: center;">.....</td> </tr> <tr> <td>Y phase</td> <td style="text-align: center;">.....</td> <td style="text-align: center;">.....</td> </tr> <tr> <td>B phase</td> <td style="text-align: center;">.....</td> <td style="text-align: center;">.....</td> </tr> <tr> <td><i>Contract Speed</i></td> <td style="text-align: center;"><i>.....</i></td> <td style="text-align: center;"><i>.....</i></td> </tr> <tr> <td><i>Calculated Speed</i></td> <td style="text-align: center;"><i>.....</i></td> <td style="text-align: center;"><i>.....</i></td> </tr> </table> <p>.....mtr/secmtr/sec</p> <p>Linear speed of lift in metres per second.</p>		<i>Down</i>	<i>Up</i>		<i>Direction</i>	<i>Direction</i>	R phase	Y phase	B phase	<i>Contract Speed</i>	<i>.....</i>	<i>.....</i>	<i>Calculated Speed</i>	<i>.....</i>	<i>.....</i>	
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Table 4 (Concluded)

Instruction Before Exiting from the Lift Machine Room

- 1 Lock the machine room.
- 2 Proceed towards the floor landing.

Table 5 Inspection Made from Floor Landings

[Clause 4.1 (e)]

Sl No.	Description	Requirements	Position	Remarks
1	Provision of delocking arrangement at every landing	Delocking arrangement shall be provided at every landing.	The delocking arrangement is provided/not provided.	
2	Provision of lights at every landing	A light point shall be provided on all landings.	The light points are provided/not provided.	
3	Condition of landing doors at every floor	The landing doors shall be maintained in good operating and sound condition.	The landing doors are in operating condition/not in operating condition.	
4	Condition of hall buttons at every floor	The hall buttons shall be in good condition.	The hall buttons are in good condition/not in good condition.	
5	Operation of landing hall buttons	The hall buttons shall respond to the type of operation of the lift.	Tested and found OK/not OK.	
6	Condition of floor indicator/in use indicator or direction call registering light	These shall be in working condition wherever provided.	The indicators are working/not working.	
7	Operation fireman switch and test	The switch, when made 'ON' shall make the landing calls inoperative and the car shall report to ground floor and shall remain on car control. When the switch is put 'OFF' the car shall return to normal working.	Tested and found OK/not found OK.	
8	Opening of any landing doors while lift is passing through a landing zone to another floor	The landing door, on pull or sliding, shall not open and the car shall continue movement.	The landing doors open/ do not open.	

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